

0240 3/86

TEAM 4

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/805,813

DATE: 04/10/97
TIME: 12:06:35

INPUT SET: S16889.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Mitsuahara, Ichiro
Ohshima, Masahiro
Ohashi, Yuko

(ii) TITLE OF INVENTION: Pathogen-Resistant Plants and Method for
Production Thereof

(iii) NUMBER OF SEQUENCES: 19

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Townsend and Townsend and Crew LLP
(B) STREET: Two Embarcadero Center, Eighth Floor
(C) CITY: San Francisco
(D) STATE: California
(E) COUNTRY: USA
(F) ZIP: 94111-3834

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US Not yet assigned
(B) FILING DATE: Not yet assigned
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: JP 8-068809
(B) FILING DATE: 25-MAR-1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: JP 8-187763
(B) FILING DATE: 17-JUL-1996

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Bastian, Kevin L.
(B) REGISTRATION NUMBER: 34,774
(C) REFERENCE/DOCKET NUMBER: 85760-000000

(ix) TELECOMMUNICATION INFORMATION:

RECEIVED
APR 24 1997
GROUP 1800

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47 (A) TELEPHONE: (415) 576-0200
48 (B) TELEFAX: (415) 576-0300
49
50

51 (2) INFORMATION FOR SEQ ID NO:1:
52

53 (i) SEQUENCE CHARACTERISTICS:
54 (A) LENGTH: 32 base pairs
55 (B) TYPE: nucleic acid
56 (C) STRANDEDNESS: single
57 (D) TOPOLOGY: linear
58

59 (ii) MOLECULE TYPE: DNA
6061
62 (ix) FEATURE:

63 (A) NAME/KEY: -
64 (B) LOCATION: 1..32
65 (D) OTHER INFORMATION: /note= "PR-1a51 primer"
66
67

68 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
6970 AGTAGAATTC TTAAACACC CTCGAGGATT TC
71
72

32

73 (2) INFORMATION FOR SEQ ID NO:2:
74

75 (i) SEQUENCE CHARACTERISTICS:
76 (A) LENGTH: 23 base pairs
77 (B) TYPE: nucleic acid
78 (C) STRANDEDNESS: single
79 (D) TOPOLOGY: linear
80

81 (ii) MOLECULE TYPE: DNA
8283
84 (ix) FEATURE:

85 (A) NAME/KEY: -
86 (B) LOCATION: 1..23
87 (D) OTHER INFORMATION: /note= "SPR-1a31 primer"
88
89

90 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
9192 GGGCTCTGCA GGAGTGGGAT ATT
93
94

23

95 (2) INFORMATION FOR SEQ ID NO:3:
96

97 (i) SEQUENCE CHARACTERISTICS:
98 (A) LENGTH: 43 base pairs
99 (B) TYPE: nucleic acid

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100 (C) STRANDEDNESS: single
101 (D) TOPOLOGY: linear
102
103 (ii) MOLECULE TYPE: DNA
104
105
106 (ix) FEATURE:
107 (A) NAME/KEY: -
108 (B) LOCATION: 1..43
109 (D) OTHER INFORMATION: /note= "TPR-1a51 primer"
110
111
112 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
113
114 ACAGCACGTG GTTAATTGAG CTCGAAACGA CCTACGTCCA TTC 43
115
116
117 (2) INFORMATION FOR SEQ ID NO:4:
118
119 (i) SEQUENCE CHARACTERISTICS:
120 (A) LENGTH: 21 base pairs
121 (B) TYPE: nucleic acid
122 (C) STRANDEDNESS: single
123 (D) TOPOLOGY: linear
124
125 (ii) MOLECULE TYPE: DNA
126
127
128 (ix) FEATURE:
129 (A) NAME/KEY: -
130 (B) LOCATION: 1..21
131 (D) OTHER INFORMATION: /note= "BKSBE primer"
132
133
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
135
136 TCCCCCGGGC TGCAGGAATT C 21
137
138
139 (2) INFORMATION FOR SEQ ID NO:5:
140
141 (i) SEQUENCE CHARACTERISTICS:
142 (A) LENGTH: 72 base pairs
143 (B) TYPE: nucleic acid
144 (C) STRANDEDNESS: single
145 (D) TOPOLOGY: linear
146
147 (ii) MOLECULE TYPE: DNA
148
149
150 (ix) FEATURE:
151 (A) NAME/KEY: -
152 (B) LOCATION: 1..72

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153 (D) OTHER INFORMATION: /note= "HMPR-1a51 primer"
154
155
156 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
157
158 TACACACGTG GTCCCACACC TACACCCCCC ACCCCACCCG GTGGTGGGCA AAATTCTCAA 60
159
160 CAAGACTATT TG 72
161
162
163 (2) INFORMATION FOR SEQ ID NO:6:
164
165 (i) SEQUENCE CHARACTERISTICS:
166 (A) LENGTH: 30 base pairs
167 (B) TYPE: nucleic acid
168 (C) STRANDEDNESS: single
169 (D) TOPOLOGY: linear
170
171 (ii) MOLECULE TYPE: DNA
172
173
174 (ix) FEATURE:
175 (A) NAME/KEY: -
176 (B) LOCATION: 1..30
177 (D) OTHER INFORMATION: /note= "MPR-1a31 primer"
178
179
180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
181
182 TATCGAGCTC AATTAGTATG GACTTTCGCC 30
183
184
185 (2) INFORMATION FOR SEQ ID NO:7:
186
187 (i) SEQUENCE CHARACTERISTICS:
188 (A) LENGTH: 36 base pairs
189 (B) TYPE: nucleic acid
190 (C) STRANDEDNESS: single
191 (D) TOPOLOGY: linear
192
193 (ii) MOLECULE TYPE: DNA
194
195
196 (ix) FEATURE:
197 (A) NAME/KEY: -
198 (B) LOCATION: 1..36
199 (D) OTHER INFORMATION: /note= "MSARCO51 primer"
200
201
202 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
203
204 CACTCCTGCA GAGCCGGTTG GTTGAAAAAG ATTGGC 36
205

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206

207 (2) INFORMATION FOR SEQ ID NO:8:

208

209 (i) SEQUENCE CHARACTERISTICS:

210 (A) LENGTH: 33 base pairs

211 (B) TYPE: nucleic acid

212 (C) STRANDEDNESS: single

213 (D) TOPOLOGY: linear

214

215 (ii) MOLECULE TYPE: DNA

216

217

218 (ix) FEATURE:

219 (A) NAME/KEY: -

220 (B) LOCATION: 1..33

221 (D) OTHER INFORMATION: /note= "MSARCO31 primer"

222

223

224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

225

226 TTTCGAGCTC AATTAACCAC GTGCTGTAGC AGC

33

227

228

229 (2) INFORMATION FOR SEQ ID NO:9:

230

231 (i) SEQUENCE CHARACTERISTICS:

232 (A) LENGTH: 508 base pairs

233 (B) TYPE: nucleic acid

234 (C) STRANDEDNESS: single

235 (D) TOPOLOGY: linear

236

237 (ii) MOLECULE TYPE: DNA (genomic)

238

239

240 (ix) FEATURE:

241 (A) NAME/KEY: -

242 (B) LOCATION: 1..508

243 (D) OTHER INFORMATION: /note= "tobacco PR-1a terminator"

244

245

246 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

247

248 TTGAAACGAC CTACGTCCAT TTCACGTAA TATGTATGGA TTGTTCTGCT TGATATCAAG 60

249

250 AACTTAAATA ATTGCTCTAA AAAGCAACTT AAAGTCAAGT ATATAGTAAT AGTACTATAT 120

251

252 TTGTAATCCT CTGAAGTGGA TCTATAAAAA GACCAAGTGG TCATAATTAA GGGGAAAAAT 180

253

254 ATGAGTTGAT GATCAGCTTG ATGTATGATC TGATATTATT ATGAACAGCG TTTTGTACTC 240

255

256 ATACGAATCA TGTGTTGATG GTCTAGCTAC TTGCGATATT ACGAGCAAAA TTCTTAACTA 300

257

258 CATGCCTTAG GAACAAGCTT ACACAGTTCA TATAATCTAC TAGAGGGCCA AAAACATGAA 360

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/805,813

DATE: 04/10/97
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Line	Error	Original Text
29	Wrong application Serial Number	(A) APPLICATION NUMBER: US Not yet assigned